



Sun Control Textiles™

Product Specifications Sheet

E Screen™ 5%

Specifications

Product Category: Conventional
Openness Factor: 5%
UV Blockage: Approximately 95%
Fabric Style: Basketweave
Item #: 007505

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)
Weight: 10.7 oz / yd2 (363 g / m2) ± 5%
Thickness: 0.016" (0.41 mm) ± 5%

Fenestration Data

Color#	Color Name	Fabric Properties						Fabric & Glass			
		Rs IR (%)	Thermal			Optical		Commercial		Residential	
			Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
Rs (%)	As (%)	Ts (%)	Interior	Exterior	Interior			Exterior			
030001	Charcoal/Grey	11	10	83	7	10	7	16	82	0.62	0.12
002002	White/White	68	71	9	20	76	17	55	76	0.30	0.17
002020	White/Linen	61	62	18	20	65	16	47	76	0.36	0.17
002007	White/Pearl	49	51	37	12	55	9	39	84	0.40	0.12
007020	Pearl/Linen	36	37	48	15	40	12	34	76	0.45	0.16
007007	Pearl/Pearl	29	31	57	12	33	10	29	79	0.48	0.15
007001	Pearl/Grey	27	27	61	12	27	10	26	79	0.50	0.15
00M122	Charcoal/Grey-Stone	11	12	79	9	12	9	18	76	0.56	0.15
030030	Charcoal/Charcoal	6	6	90	4	5	4	13	84	0.64	0.10
030061	Charcoal/Cocoa	6	6	87	7	6	7	13	82	0.64	0.12
030071	Charcoal/Apricot	15	15	78	7	16	6	18	84	0.59	0.11

Fabric properties may vary from the values reported due to standard variations in the manufacturing process. The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Total Solar Transmittance (Ts), Total Solar Reflectance (Rs), Solar Reflectance in Infrared (Rs IR), Total Solar Absorptance (As), Visible Reflectance (Rv), and Visible Transmission (Tv). Glass performance tests for Solar Heat Gain Coefficient (SHGC) were conducted using the Lawrence Berkeley National Laboratory Window 7.7 NFRC certified software. SHGC % improvement for commercial applications is based on a standard commercial glass makeup of Double Glazing 6 mm / 1/2" air / 6 mm with low E on surface #2. SHGC for residential applications is based on a default residential glass makeup of 3mm clear glass / 1/2" air / 3mm clear glass. Results for SHGC were obtained using the center of glass. Acoustical performance was tested in accordance with ASTM C423-17a: NRC is Noise Reduction Coefficient, SAA is Sound Absorption Average. For up-to-date test results, performance specifications and larger samples, contact Mermet at info@MermetUSA.com.

Fabrication Methods:

Cutting: Crush, cold, or ultrasonic
Welding: Fabric welds without tape. 225-275°F. 5-10s.
 Radio frequency, impulse, hot air, or wedge

Fire Classifications:

NFPA 701-19 TM#1, California U.S. Title 19
 CAN/ULC-S109-14 Small & Large Flame Test

Environmental Benefits:

RoHS - Lead Free
 GREENGUARD Gold

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Acoustical Performance:

NRC: 0.10, SAA: 0.12

We recommend testing all cutting and welding methods prior to use to confirm they meet your individual fabrication specifications.

Care & Handling

Remove dust with a soft duster, cloth, sponge, vacuum cleaner, or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. For minor stains clean with a soft cloth, sponge, or soft brush dipped in lukewarm soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. For tougher stains and disinfecting instructions visit www.MermetUSA.com.

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